CLAIMS

1 - Method for allocating a carrier frequency in a radiocommunication system in which data bursts are transmitted between a remote unit (12) and a fixed unit (11), **characterised** in that it includes the following steps:

- recording a predetermined number of parameters relative to a communication;
- allocating a probability level to each carrier frequency allocated to a communication, on the basis of weighting of the recorded parameters; and
- selecting a carrier frequency on the basis of being that which offers highest probability for being allocated to a communication.

2. - System for allocating a radio channel in a wireless communication system in which data bursts are transmitted between a remote unit (12) and a fixed unit (11), **characterised** in that the system includes:

- means adapted for recording a predetermined number of parameters relative to a communication;
- means adapted for allocating a probability level to each carrier frequency allocated to a communication, on the basis of weighting of the recorded parameters; and
- means adapted for selecting a carrier frequency on the basis of being that which offers highest probability for being allocated to a communication.

3. - Fixed unit (11) according to any of the previous claims, **characterised** in that said fixed unit (11) includes means adapted for recording a predetermined number of parameters relative to a communication.

4. - Fixed unit (11) according to any of the previous claims, **characterised** in that said fixed unit (11) includes means adapted for allocating a probability level to the carrier frequency allocated to a communication, on the basis of weighting of the recorded parameters.

5. - Fixed unit (11) according to any of the previous claims, **characterised** in that said fixed unit (11) includes means adapted for selecting a carrier frequency from among a set of carrier frequencies, on the basis of a probability level.